



REDUCED PRESSURE PRINCIPLE DEVICE

GENERAL NOTES

1. ASSEMBLY SHALL BE APPROVED BY U.S.C. FOUNDATION FOR CROSS CONNECTION AND HYDRAULIC RESEARCH.
2. CONTACT CITY OF GOODYEAR WATER OPERATIONS DIVISION FOR A LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES.
3. FOUR (4) TEST COCKS TO BE INSTALLED PER U.S.C.
4. COPPER FITTINGS SHALL BE CONNECTED WITH LEAD-FREE SOLDER JOINTS.
5. FINISHED GRADE BELOW BACKFLOW PREVENTER SHALL BE 95% COMPACTION.
6. ASSEMBLY MAY BE PAINTED TO BLEND WITH LANDSCAPE SURFACE TREATMENT OR ON-SITE STRUCTURES.
7. THE ASSEMBLY MAY ALSO BE SCREENED WITH SHRUBBERY OR BE ENCLOSED WITHIN A WALL TYPE STRUCTURE. ADEQUATE DRAINAGE FOR SURFACE WATER IS REQUIRED.
8. ANY SCREENING/ENCLOSURE MUST PROVIDE A MINIMUM 18" ACCESS OPENING (UNSECURED GATES ARE ACCEPTABLE) AND SIDE WALLS OR SHRUBBERY MUST BE A MINIMUM OF 24" FROM THE OUTSIDE FACE OF ANY PORTION OF THE BACKFLOW PREVENTION DEVICE.
9. ASSEMBLY MAY BE PROTECTED BY GUARD POSTS (MODIFY P-1359, HYDRANT GUARDS, PHOENIX SUPPLEMENT TO MAG).

LIST OF MATERIALS

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| <ol style="list-style-type: none"> <li>1 APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE.</li> <li>2 GATE VALVE, RESILIENT SEATED (NON-RISING STEM)(O.S.&amp;Y. REQUIRED ON FIRELINES).</li> <li>3 90° ELL (FLANGED D.I.P. 3" THROUGH 12").</li> <li>4 TEST COCK, RESILIENT SEATED (4 REQUIRED) FIT WITH BRASS PLUG.</li> <li>5 ADJUSTABLE PIPE SUPPORT PERMANENTLY ATTACHED TO BASE (4" AND LARGER ASSEMBLY ONLY).</li> <li>6 CONCRETE SUPPORT PAD 4" THICK BY 18" WIDE MINIMUM BENEATH 4" AND LARGER ASSEMBLIES. (CLASS "A" CONCRETE)</li> </ol> | <ol style="list-style-type: none"> <li>7 3"x3"x1/4" STEEL ANGLE. BOLT TO FLANGE, EACH END WITH ONE BOLT. COAT WITH COAL TAR EPOXY (16 MILS) REQUIRED ON 4" AND LARGER ASSEMBLIES.</li> <li>8 PIPE SPOOL (FLANGED D.I.P. 3" THRU 12").</li> <li>9 FLANGED ADAPTER (WHEN REQUIRED).</li> <li>10 TAMPER SWITCH (ON FIRELINE ONLY, OPTIONAL).</li> <li>11 ELECTRICAL CONDUIT FOR TAMPER SWITCH.</li> </ol> |
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DETAIL NO.  
G-3351

CITY OF GOODYEAR  
STANDARD DETAIL

APPROVED BY:  
Goodyear Standards and  
Policies Committee 7/97

REDUCED PRESSURE PRINCIPLE  
BACKFLOW PREVENTION ASSEMBLY  
INSTALLATION - 3" AND OVER

DETAIL NO.  
G-3351